

## Progress Report

Progress Report # 1

Reporting Period: April 1 –  
November 29, 2011

Submittal Date: **November 29, 2011**

Agreement No: 10-414-550

Project Name: **Newport Coast ASBS Protection Implementation Program**

Contractor Name: City of Newport Beach

Program Director/Designated Representative: Robert Stein

Summary of Work Completed to Date:

<u>Task</u>	<u>Deliverable by Subtask #</u>	<u>Due Date</u>	<u>% of Work Complete</u>	<u>Date Submitted</u>
A. Plans and Compliance Requirements	2.1 Project Assessment and Evaluation Plan 2.2 Monitoring Plan 2.3 Quality Assurance Plan 2.4 Data Management 6. Signage		50% 50% 50% 5% 25%	
<b>B. WORK TO BE PERFORMED BY GRANTEE</b>				
1.0 Runoff Reduction Program (Consultant: Valley Soils)	1.1 Prepare assessments 1.2 Marketing campaign 1.3 Irrigation evaluations 1.4 Baseline monitoring 1.5 Installations 1.6 Verification inspections 1.7 Outreach 1.8 Program effectiveness evaluation		25% 25% 1% 5%	
2.0 Buck Gully Erosion Control/Wetlands Project and Storm Drain Infiltration Gallery (Contractor: ECI; Consultant: Weston Solutions)	2.1 Buck gully Erosion Control/wetlands project 2.2 Storm Drain Infiltration Gallery		50% 10%	
3.0 Crystal Cove Park Parking Lot Improvements (Consultant: Weston Solutions)	3.1 Design 3.3 Construction		10% 0%	

4.0 Los Trancos Pond Improvement Project (Consultant: Weston Solutions )	4.1 Design		5%	
	4.3 Construction		0%	
5.0 Pesticide Management Program	5.1 Pesticide use campaign		5%	
	5.2 Workshops		0%	
	5.3 CASQA participation		0%	
6.0 Public Impact Reduction	6.1 Program Development		20%	
	6.2 Interpretive signage		0%	
	6.3 Monitoring		0%	
7.0 Little Corona Rocky-intertidal Restoration Pilot Program (Consultants: Cal-State Fullerton and Weston Solutions)	7.1 Implement Pilot Program		10%	
	7.2 Biological survey		0%	
8.0 ASBS Collaborative Management Program (City is the lead on this task)	8.1 Create centralized website		10%	
	8.2 Ecosystem impact metric		5%	
	8.3 Annual report		0%	

## Introduction

This grant project implements eight tasks to protect water quality and habitat of the ASBS through projects and public outreach. We have moved very quickly to kickoff all tasks including:

- **Tasks 1 & 5:** Awarded a contract to Valley Soil for a fee of approximately \$1 million to install 600 residential and commercial smart irrigation controllers in Newport Coast and implement a pesticide-use reduction program.
- **Task 2:** Awarded a contract to Environmental Construction Inc. (ECI) for a fee of approximately \$1.2 million to construct the Buck Gully Restoration Project.
- **Tasks 3, 4, 7 & 8:** Awarded a contract of approximately \$600,000 to Weston Solution to design improvements in Crystal Cove State Park, continue restoration efforts at Little Corona and further refine tools for managing the ASBS.
- **Task 6:** Began work with the Newport Bay Conservancy for finding and outfitting a vehicle to house aquarium and touch tanks.

Overall, Program tasks are approximately 10 percent complete and we are on track to meet the contract schedule.

### **Task Accomplishments**

This section describes the work completed in the past period for completing each of the contract tasks.

### **TASK A: Project Assessment and Evaluation Plan (PAEP), Monitoring Plan, Quality Assurance Project Plan (QAPP) and California Environmental Quality Act**

Tasks 2.1, 2.2 and 2.3 - The PAEP, QAPP and Monitoring Plan have been completed and submitted to the State Board.

Task 2.4 – Initial meetings have been held with Scripps Institution of Oceanography (SIO) and the Southern California Coastal Water Research Project (SCCWRP) and the City of San Diego. to discuss coordinating our monitoring activities.

Task 6 – Water Board recognition signage was posted prominently at the Buck Gully Restoration project site.

### **TASK B – WORK TO BE PERFORMED**

#### **Task 1.0 Runoff Reduction Program**

Contractor proposals were solicited to market smarttimer irrigation controllers in the Newport Coast area. See the attached map showing the area of focus. This area is served by the City of Newport Beach utilities department and the Irvine Ranch Water District (IRWD). With IRWD assistance, Valley Soil was selected to perform the work. The contract has been executed and Valley Soil has begun its marketing campaign and has begun assessing sites.

#### **Task 2.0 Buck Gully Erosion Control/Wetlands Project and Storm Drain Infiltration Gallery**

##### **2.1 Buck Gully Erosion Control/Wetlands Project**

A contract was awarded to Environmental Construction Inc. for the project. Work has proceeded smoothly and the first phase is about 65% complete. See construction photos. Planting is anticipated to start in January.

##### **2.2 Storm Drain Infiltration Gallery**

A concept plan has been prepared to capture, filter and infiltrate dry weather flow from the Shore Cliffs Community Association. See the attached plan.

#### **Task 3 Crystal Cove Park Parking Lot Improvements**

A concept design has been prepared to collect, filter and infiltrate a first flush storm. A site visit to review the concept with the Park's Department has been conducted. See the attached concept drawings. The consultant is proceeding with 60% complete drawings and specifications.

**Task 4 Los Trancos Pond Improvement Project**

A concept design to modify the pond and replant with native plants has been prepared and a site visit was conducted with the Park's Department in October. The consultant is proceeding with 60% complete drawings and specifications.

**Task 5 Pesticide Management Program**

As part of the City's efforts to reduce pollutant loads in runoff, Valley Soil is contracted to work with the City on a campaign to encourage proper use of pesticides in landscapes. Copies of outreach material will be submitted with the next progress report.

**Task 6 Public Impact Reduction****2.6.1 Develop Impact Metric**

The final Impact Metric Technical Report has been completed and is attached. The metric was developed based on final results from the biological surveys, water quality monitoring, bioaccumulation studies and restoration pilot project. This task is now complete.

**Task 7 Little Corona Rocky-Intertidal Restoration Pilot Program**

Dr. Jayson Smith of Cal Poly Pomona (formerly California State University, Fullerton) will be the lead on this task. He is preparing a work plan for removing invasive algae from the Little Corona cove.

**Task 8 ASBS Collaborative Management Program**

Weston Solutions' subconsultant, S4, is working with the City to develop and extension to the Orange County MPA website that will include summaries of studies and projects underway at various ASBS sites in Southern California.

**Project Budget**

The following summarizes paid invoices and in-lieu work for the various tasks.

State funding	\$ 0
City funding	\$ 739,507
IRWD funding	\$ 0
City and IRWD staff time	\$ 44,454

The City expects to submit its first invoice to the State Board in February, 2012.

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

**Attachments:**

Map showing target area for smart irrigation controllers

Buck Gully construction photos (2 photos)

Storm drain infiltration galley concept drawings

Crystal Cove Park Parking Lot Improvements concept drawings (2 sheets)